

BEYOND SCHOOL PROJECT

LESSON ACTIVITY PLAN DRAFT

ACTIVITY	Visit to a microalgae and cyanobacteria production industries (ALGICEL or 5 essentia Azoria)
The aim of the activity	This workshop sought to better understand the production of microalgae and cyanobacteria in the Azores
Places where the event can be held	ALGICEL factory (São Miguel Island) - https://algicel.pt/en/ 5 essentia Azoria factory (Graciosa Island) - https://5essentia.com/en/
Age group for the activity	8 - 18

A. BEFORE OUT-OF-SCHOOL LEARNING ACTIVITY

Educational tools	Books; Encyclopedia, Internet
Method, technique and strategies	Research work
PRACTICE	
Introduction of the activity	Brief dialogue with the students to learn about their family's habits regarding microalgae/algae consumption and its benefits for a healthy diet.
Development of the activity	Students should research about the historical context of microalgae and cyanobacteria production in the Azores and worldwide.
Evaluation of the activity	At the end there should be a moment of discussion among the students to compare the findings.

B. IN THE OUT-OF-SCHOOL LEARNING ENVIRONMENT

Educational tools	Guided visit to one of the two industries
Method, technique and strategies	M1 - <u>São Miguel</u> Island: Outdoor visit to ALGICEL microalgae production unit. M2 - <u>Graciosa Island</u> : Outdoor visit to 5 essentia Azorica cyanobacteria production unit.
PRACTICE	

Introduction of the activity	Guided visit to a regional industrial production unit of microalgae and/or cyanobacteria.
Development of the activity	<p>V1 - Guided visit to ALGICEL industrial unit, where students will learn more about the production of microalgae and the health benefits from its consumption.</p> <p>V2 - Guided visit to 5 essentia Azoria industrial unit, where students will learn more about the production of cyanobacteria and the health benefits from its consumption.</p> <p>During the activity students take pictures and notes of what was observed.</p>
Evaluation of the activity	Discussion in order to understand what was apprehended about the visit and the production of microalgae and/or cyanobacteria.

C. AFTER OUT OF SCHOOL LEARNING ACTIVITY

Educational tools	Notes and Pictures.
Method, technique and strategies	<p>(M1) Group work, exploration of the collected materials, photographs and notes.</p> <p>(M2) In the supermarket, find products with microalgae and /or cyanobacteria and take pictures of the ingredients list.</p>
PRACTICE	
Introduction of the activity	Brief recap of the previous activities and explanation of the group project.
Development of the activity	<p>(V1) Students, as a group project, are challenged to choose the 5 best pictures and words that best describes the microalgae and/or cyanobacteria production in the Azores.</p> <p>(V2) Students, as a group project, are challenged to discuss the list of products they identify in the supermarket with microalgae and/or cyanobacteria in their composition.</p>
Evaluation of the activity	(V1) The photos can be exposed in the classroom or school or (V2) shared online in the social media and open the challenge to the public that can also share their photos.